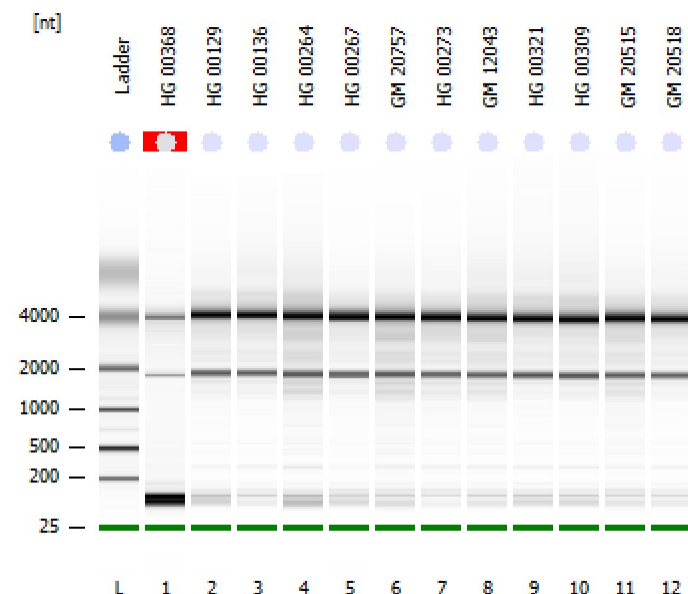


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-05_09-10-51.xad

Created: 10/5/2011 9:10:50 AM
Modified: 10/5/2011 9:34:59 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

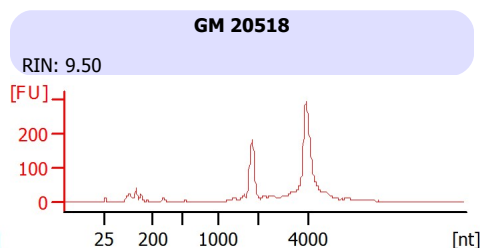
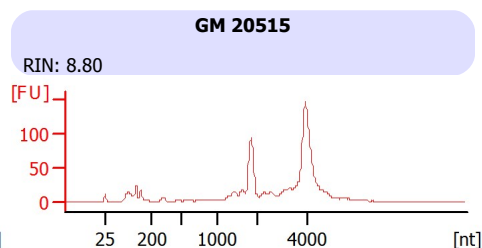
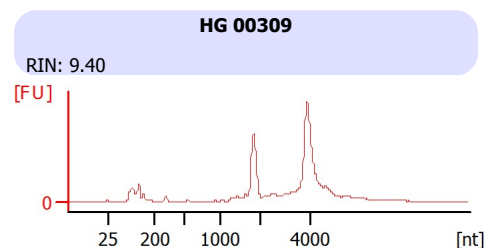
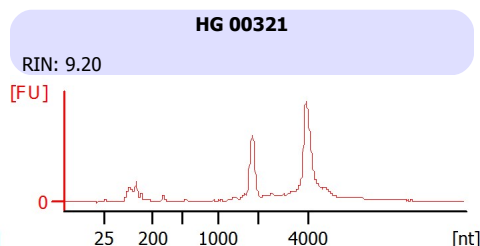
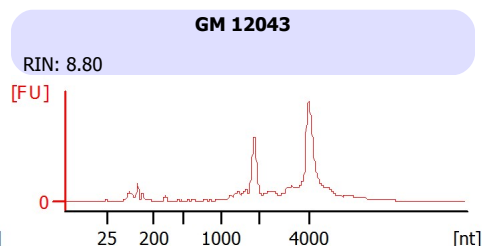
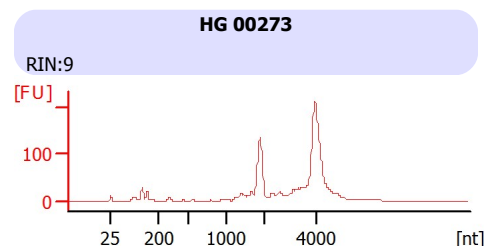
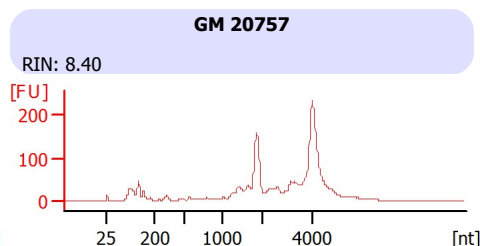
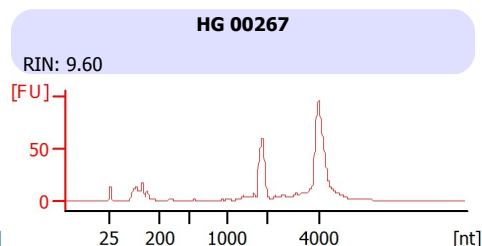
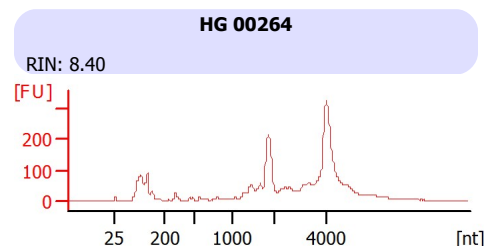
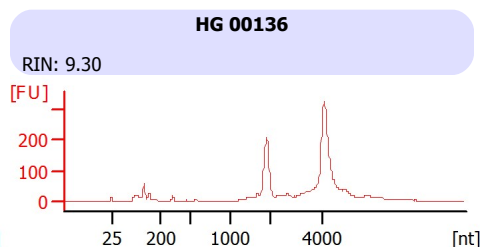
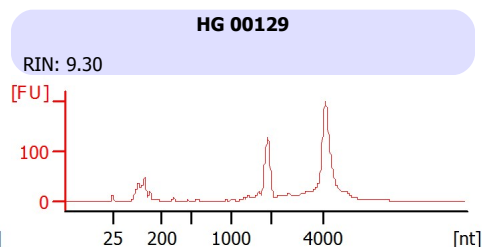
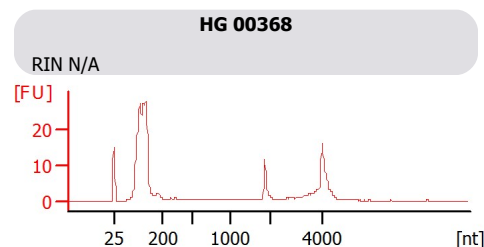
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-05_09-10-51.xad

Created: 10/5/2011 9:10:50 AM
Modified: 10/5/2011 9:34:59 AM

Electrophoresis File Run Summary (Chip Summary)

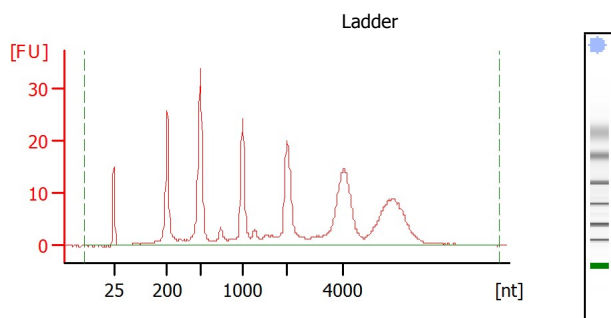
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
HG 00368		✓ RIN N/A	
HG 00129		✓ RIN: 9.30	
HG 00136		✓ RIN: 9.30	
HG 00264		✓ RIN: 8.40	
HG 00267		✓ RIN: 9.60	
GM 20757		✓ RIN: 8.40	
HG 00273		✓ RIN:9	
GM 12043		✓ RIN: 8.80	
HG 00321		✓ RIN: 9.20	
HG 00309		✓ RIN: 9.40	
GM 20515		✓ RIN: 8.80	
GM 20518		✓ RIN: 9.50	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-05_09-10-51.xad

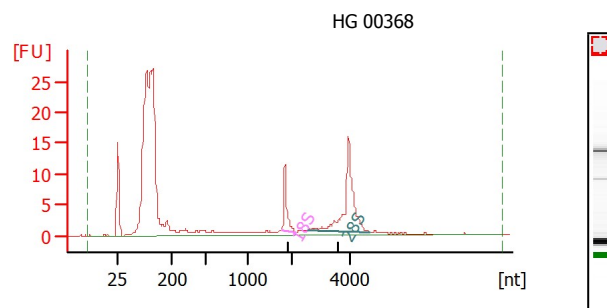
Created: 10/5/2011 9:10:50 AM
 Modified: 10/5/2011 9:34:59 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 367.8
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

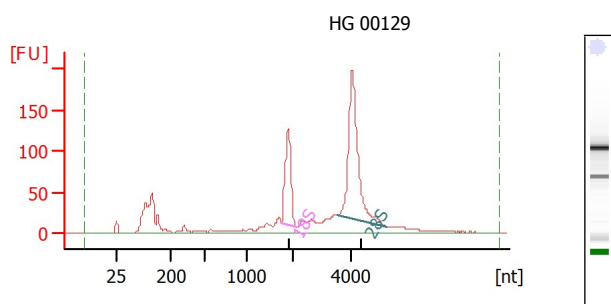


Overall Results for sample 1 : HG 00368

RNA Area: 257.4
 RNA Concentration: 105 ng/μl
 rRNA Ratio [28s / 18s]: 3.3
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 1 : HG 00368

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,766	2,106	10.2	4.0
28S	2,515	4,707	34.1	13.3

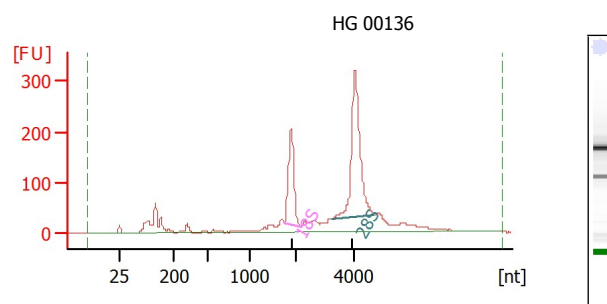


Overall Results for sample 2 : HG 00129

RNA Area: 1,515.3
 RNA Concentration: 618 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 2 : HG 00129

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,753	2,169	218.2	14.4
28S	3,546	5,298	459.7	30.3



Overall Results for sample 3 : HG 00136

RNA Area: 2,222.6
 RNA Concentration: 906 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

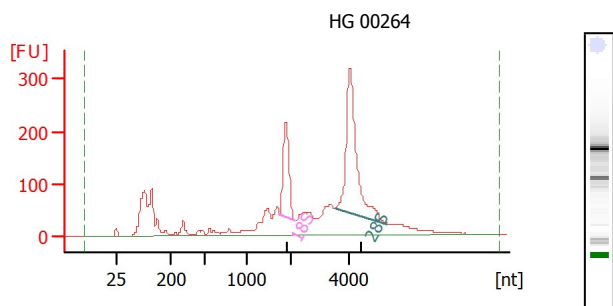
Fragment table for sample 3 : HG 00136

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,753	2,198	336.9	15.2
28S	3,256	4,748	652.1	29.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-05_09-10-51.xad

Created: 10/5/2011 9:10:50 AM
 Modified: 10/5/2011 9:34:59 AM

Electropherogram Summary Continued ...

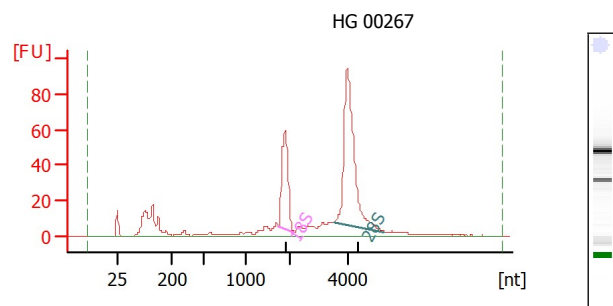


Overall Results for sample 4 : HG 00264

RNA Area: 3,339.4
 RNA Concentration: 1,362 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 4 : HG 00264

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,139	334.6	10.0
28S	3,518	5,318	759.1	22.7

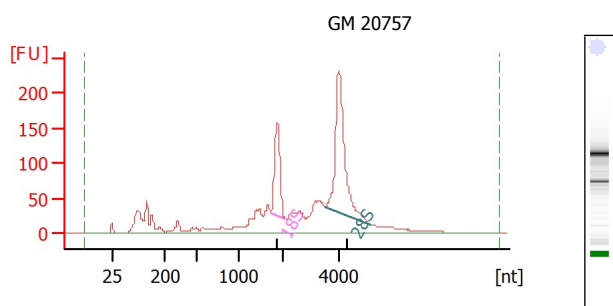


Overall Results for sample 5 : HG 00267

RNA Area: 667.8
 RNA Concentration: 272 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 5 : HG 00267

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	2,104	111.7	16.7
28S	3,512	5,288	240.9	36.1

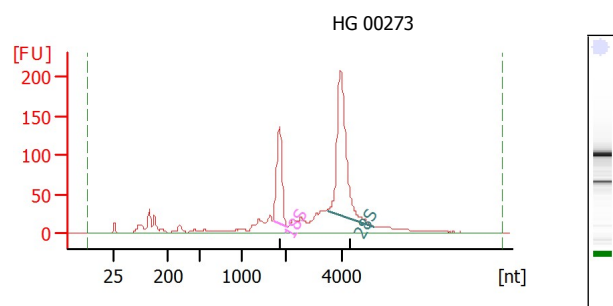


Overall Results for sample 6 : GM 20757

RNA Area: 2,188.7
 RNA Concentration: 893 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 8.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 6 : GM 20757

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,725	2,096	231.9	10.6
28S	3,493	5,144	511.2	23.4



Overall Results for sample 7 : HG 00273

RNA Area: 1,547.7
 RNA Concentration: 631 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

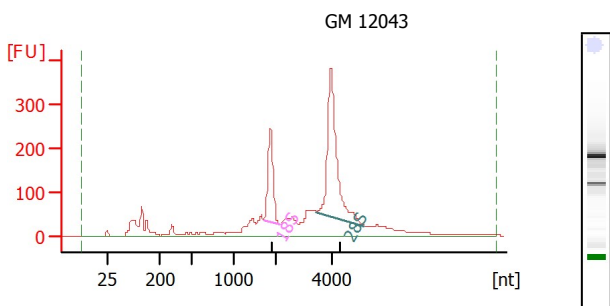
Fragment table for sample 7 : HG 00273

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,723	2,094	213.6	13.8
28S	3,525	5,164	464.8	30.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-05_09-10-51.xad

Created: 10/5/2011 9:10:50 AM
 Modified: 10/5/2011 9:34:59 AM

Electropherogram Summary Continued ...

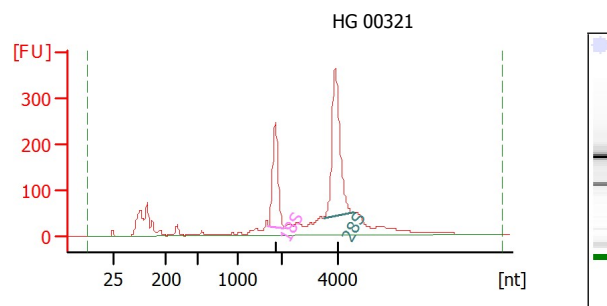


Overall Results for sample 8 : GM 12043

RNA Area: 3,139.8
 RNA Concentration: 1,281 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

Fragment table for sample 8 : GM 12043

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,090	365.4	11.6
28S	3,440	5,120	839.1	26.7

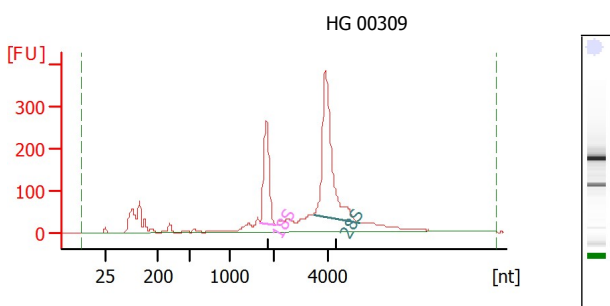


Overall Results for sample 9 : HG 00321

RNA Area: 2,741.0
 RNA Concentration: 1,118 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 9 : HG 00321

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,104	408.5	14.9
28S	3,502	4,569	715.7	26.1

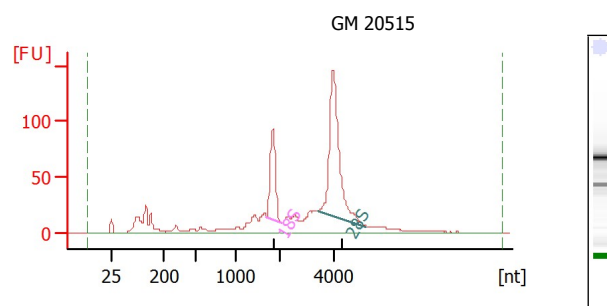


Overall Results for sample 10 : HG 00309

RNA Area: 3,031.9
 RNA Concentration: 1,237 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 10 : HG 00309

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	2,085	444.3	14.7
28S	3,432	5,127	934.3	30.8



Overall Results for sample 11 : GM 20515

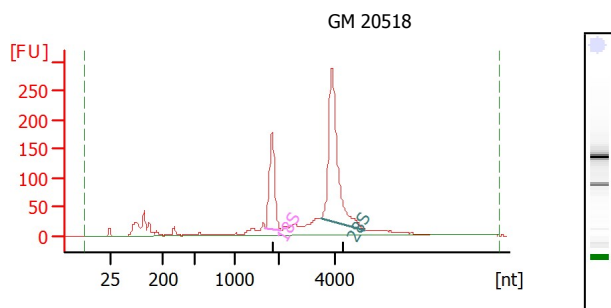
RNA Area: 1,228.5
 RNA Concentration: 501 ng/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 8.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

Fragment table for sample 11 : GM 20515

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	2,055	144.3	11.7
28S	3,402	5,142	356.7	29.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-05_09-10-51.xad

Created: 10/5/2011 9:10:50 AM
Modified: 10/5/2011 9:34:59 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : GM 20518**

RNA Area: 1,895.4
RNA Concentration: 773 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 9.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.50

Fragment table for sample 12 : GM 20518

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,089	289.4	15.3
28S	3,502	5,096	642.4	33.9